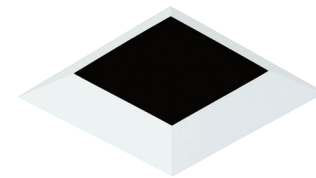


# ELEMENT™ 4" LED

## FIXED DOWNLIGHT



SHOWN IN FLANGELESS BEVEL SQUARE

The ELEMENT 4" Next Generation Fixed recessed downlight features a patented high/low lamp positioning which allows the LED to be positioned closer to the aperture for maximum light output and efficiency or higher in the ceiling to minimize glare and flash on the trim. Options include premium warm dimming, tunable white, Xicato and Xicato Artist Series LED modules. Trim options include flanged or flangeless and flangeless wood ceiling.

- Housing reduced by 54%
- Patented high/low lamp positioning
- 2-step standard
- Standard dimming (down to 1%)
- Trim reflector options
- Solite Soft Focus lens option
- Flangeless wood ceiling option

### LUMEN MULTIPLIER (CRI/CCT)

CCT	80 CRI MULTIPLIER	90 CRI MULTIPLIER
2700K	0.95	0.80
3000K	1.00	0.85
3500K	1.05	0.90

Lumen output will vary by CCT and CRI.  
See photometric charts for output information.

### SPECIFICATIONS

	STATIC WHITE			XICATO		WARM DIM		TUNABLE WHITE	
	MAX OUTPUT	HIGH OUTPUT	LOW OUTPUT	STANDARD SERIES	ARTIST SERIES	HIGH OUTPUT	LOW OUTPUT	HIGH OUTPUT (5000K)	HIGH OUTPUT (4000K)
DELIVERED LUMENS	4000/3400	2900/2465	1800/1450	1575	1856	2374	1300	2157	1900
WATTS	35	29	17	19	26	31	17	28	28
EFFICACY	112/96	100/85	106/85	81	71	76	76	72	69
CRI	80+/90+			80+	95+	90+			
CBCP	10° - 19,414 (low output)   18° - 8,192 25° - 6,907   40° - 4,517   60° - 3,209			21° - 8,345 43° - 3,644 60° - 1,964	21° - 8,471 43° - 4,022 60° - 2,237	18° - N/A   25° - N/A   40° - 2,381   60° - N/A			
CCT	2700K, 3000K, or 3500K			2700K, 3000K, or 3500K <sup>3</sup>		3000K - 1800K		5000K - 2700K	4000K - 1800K
COLOR CONSISTENCY	2-step			1 X 2-step		3-step		2-step	
VOLTAGE	120V or 277V								
DIMMING <sup>1</sup>	Standard reverse-phase, forward-phase, TRIAC, and 0-10V dimming (down to 1%) eldoLED 0-10V or DALI-2 (down to 0.1%) Lutron has placed their LTEA (2-Wire) and 0.1% PEQ eco drivers on indefinite hold. Please consult Factory for alternative Lutron drivers (e.g. LDE 1%) or other driver solutions.							eldoLED 0-10V or DALI-2 (down to 0.1%)	
POWER SUPPLY	Constant current driver with +.9 power factor and +80% efficiency								
OPTICS	Field changeable: 10°, 18°, 25°, 40°, or 60° TIR			Field changeable: 21°, 43°, or 60° Reflector		Field changeable: 18°, 25°, 40°, or 60° TIR			
ADJUSTABILITY	High/low positioning, 45° collar rotation								
CEILING APPEARANCE	Flanged, flangeless, or flangeless in wood ceiling								
CEILING THICKNESS	Flanged: Up to 2-1/2" Flangeless: No ceiling thickness limitations   Flangeless in wood ceiling: 1/2" to 2" Note: Thicker ceilings impact light cutoff								
CEILING APERTURE	4-1/2" ceiling cutout								
HOUSING	IC Airtight, Non-IC Airtight, IC suitable up to R60 spray foam insulation. Sauna/steam-room use available only with combination of H shower trim, LO low output housing, and I IC housing rating.								
CONSTRUCTION	Housing: Heavy-gauge, cold-rolled steel   Trim: Die-cast aluminum								
FINISH	Housing: Black powder coat   Trim: Antique Bronze, Black, Satin Nickel, or White (paintable)								
GENERAL LISTINGS	ETL Listed. Damp Location. Shower version Wet Listed.								
CALIFORNIA TITLE 24	Registered CEC Appliance Database. Can be used to comply with CEC 2019 Title 24 Part 6 (JA8-2016, JA8-2019) (for 90 CRI versions).								
L70	50,000 hours min								
WARRANTY <sup>2</sup>	5 years								

Data in chart reflect 3000K/80 CRI values unless noted.

Custom output/custom RAL/custom CCT available, contact Quotes Department.

#### Ordering grids available on page 2.

Accepts two optical controls and an optional trim-mounted lens.

<sup>1</sup>See visualcomfort.com for dimmer compatibility. LH high output and LV max output standard phase dimming down to 5% min.

<sup>2</sup>Visit visualcomfort.com for specific warranty limitations and details.

<sup>3</sup>3500K Xicato module not available for Artist series.



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UPDATED 12/19/22

ELEMENT™

4" LED

FIXED DOWNLIGHT

ORDERING GRIDS

HOUSING

PRODUCT	CEILING APPEARANCE	OUTPUT	CRI/CCT	BEAM SPREAD	FUNCTION	HOUSING RATING	DRIVER	VOLTAGE
<b>E4R</b> ELEMENT 4" ROUND	<b>L</b> FLANGELESS <b>F</b> FLANGED	<b>-LV</b> MAX OUTPUT, 35W <sup>2</sup>	<b>827</b> 80 CRI, 2700K, 2-STEP <b>830</b> 80 CRI, 3000K, 2-STEP	<b>10</b> 10° <sup>6</sup> <b>18</b> 18°	<b>D</b> DOWNLIGHT	<b>I</b> IC AIRTIGHT <b>N</b> NON-IC AIRTIGHT	<b>INTEGRATED DRIVERS 120V/277V</b> UNIVERSAL PHASE/0-10V 1% (LEAVE BLANK) <sup>7</sup>	120 VOLT (LEAVE BLANK) <b>-277</b> 277 VOLT
<b>E4S</b> ELEMENT 4" SQUARE	<b>WC</b> WOOD CEILING <sup>1</sup>	<b>-LH</b> HIGH OUTPUT, 29W <sup>3</sup> <b>-LO</b> LOW OUTPUT, 17W <sup>4</sup>	<b>835</b> 80 CRI, 3500K, 2-STEP <b>927</b> 90 CRI, 2700K, 2-STEP <b>930</b> 90 CRI, 3000K, 2-STEP <b>935</b> 90 CRI, 3500K, 2-STEP <b>WD</b> 90 CRI, 3000-1800K, WARM DIM, 3-STEP <b>TW52</b> 90 CRI, 5000K-2700K, TUNABLE WHITE, 2-STEP <sup>5</sup> <b>TW41</b> 90 CRI, 4000K-1800K, TUNABLE WHITE, 2-STEP <sup>5</sup>	<b>25</b> 25° <b>40</b> 40° <b>60</b> 60°			<b>-ELD0</b> ELDOLED 0.1% 0-10V LINEAR <b>-ELD0A</b> ELDOLED 0.1% 0-10V LOGARITHMIC <b>-ELDD</b> ELDOLED 0.1% DALI-2 <b>-ELTO</b> ELDOLED TUNABLE WHITE 0.1% 0-10V LINEAR <sup>5</sup> <b>-ELTD</b> ELDOLED TUNABLE WHITE 0.1% DALI-2 <sup>5</sup>	
		<b>-X</b> XICATO, HIGH OUTPUT, 25W <sup>8</sup>	<b>I27</b> 80 CRI, 2700K, 1X2-STEP, XICATO <b>I30</b> 80 CRI, 3000K, 1X2-STEP, XICATO <b>I35</b> 80 CRI, 3500K, 1X2-STEP, XICATO <b>A27</b> 95 CRI, 2700K, 1X2-STEP, XICATO ARTIST <b>A30</b> 95 CRI, 3000K, 1X2-STEP, XICATO ARTIST	<b>21</b> 21° XICATO <b>43</b> 43° XICATO <b>60</b> 60° XICATO				
					<b>D</b>			

Trims are required and must be ordered separately.

<sup>1</sup>WC - Wood ceiling option accommodates flangeless trims only.

<sup>2</sup>LV - Max output not available in I IC Housing with WD warm dim or TW tunable white. Standard phase dimming down to 5% min. LV available for wet application (not rated for sauna/steam-room).

<sup>3</sup>LH - Standard phase dimming down to 5% min. LH available for wet application (not rated for sauna/steam-room).

<sup>4</sup>LO - Sauna/steam-room use available only with combination of H shower trim, LO Low output and I IC housing.

<sup>5</sup>TW52, TW41 - Tunable white only available in LH high output, only available with ELTO (0-10V, linear), or ELTD (DALI-2). I IC housing output is 15% less than N non-IC housing output.

For 0-10V logarithmic dimming consult Quotes Department.

<sup>6</sup>IO - Available LO low output only. 10° beam spread has a unique LED module not available with warm dim or tunable white. Changing optics to 18°, 25°, 40°, or 60° will require a new LED module.

<sup>7</sup>Universal dimming is reverse-phase, forward-phase, TRIAC, and 0-10V. 277V is only compatible with 0-10V dimming.

<sup>8</sup>X - Xicato housings utilize dedicated standard phase, 0-10V, 120V and 277V drivers. If ordering Xicato with standard drivers (eldoLED), at the end of the item number please specify:

**-010** for 0-10V 120V, **-277** for phase 277V or **-010-277** for 0-10V 277. For example: E3RLF-XA2743DI-**010** or E3RLF-XA2743DI-**277** or E3RLF-XA2743DI-**010-277**. Due to the size of some of the Xicato Reflectors, it may not be feasible to tilt the fixture in the 'low' position. It is still tiltable in the 'high' position.

TRIM

PRODUCT	CEILING APPEARANCE	STYLE	APERTURE	FINISH
<b>E4R</b> ELEMENT 4" ROUND	<b>L</b> FLANGELESS	<b>B</b> BEVEL	<b>-O</b> NO LENS	<b>Z</b> ANTIQUE BRONZE
<b>E4S</b> ELEMENT 4" SQUARE	<b>F</b> FLANGED	<b>F</b> FLAT	<b>-H</b> SHOWER <sup>1,2</sup>	<b>B</b> BLACK
	<b>F15</b> FLANGED 1.1"-1.5" CEILING THICKNESS		<b>-L</b> LENSED <sup>2</sup>	<b>S</b> SATIN NICKEL
	<b>F20</b> FLANGED 1.6"-2.0" CEILING THICKNESS			<b>W</b> WHITE
	<b>F25</b> FLANGED 2.1"-2.5" CEILING THICKNESS			

<sup>1</sup>H - Sauna/steam-room use available only with combination of H shower trim, LO low output and I IC housing.

<sup>2</sup>H, L - Lensed products come with Solite Soft Focus lens.

PLASTER PLATES

PRODUCT	
<b>150E4RPPLT</b>	ROUND PLASTER PLATE
<b>150E4SPPLT</b>	SQUARE PLASTER PLATE

Plaster plates are used to convert flanged housings into flangeless housings. Ships standard with flangeless housings.

REPLACEMENT OPTICS

PRODUCT	BEAM SPREAD
<b>353E4LEDCOPT</b>	<b>18</b> 18° <b>25</b> 25° <b>40</b> 40° <b>60</b> 60°
<b>353E4LEDCOPT</b>	

REPLACEMENT REFLECTORS<sup>1</sup>

PRODUCT	BEAM SPREAD
<b>352LEDXREF</b>	<b>21</b> 21° <b>43</b> 43° <b>60</b> 60°
<b>352LEDXREF</b>	

<sup>1</sup>For use with Xicato modules only.

LENSES / LOUVERS<sup>1</sup>

PRODUCT	
<b>140MR16SF</b>	SOLITE SOFT FOCUS LENS
<b>140MR16SB</b>	SANDBLASTED LENS
<b>140MR16LL</b>	LINEAR SPREAD LENS
<b>140MR16DF</b>	DIFFUSER SPREAD LENS
<b>EL2RHCBK</b>	EGGCRATE/HEXCELL LOUVER

<sup>1</sup>For additional lenses, louvers, optical controls and accessories, reference visualcomfort.com. ELEMENT allows up to two lenses or louvers per fixture.

PREMIUM LENS HOLDER

PRODUCT	LENSES
<b>240E3LENSHLDR</b>	<b>1</b> ONE LENS <b>2</b> TWO LENSES
<b>240E3LENSHLDR</b>	

240E3LENSHLDR

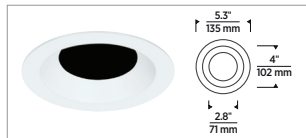
The premium, threaded lens holder provides more secure mounting of additional lenses as compared to the standard lens holder that ships with each fixture. Premium Lens Holder is not compatible with the 10° beam spread.

# ELEMENT™ 4" LED

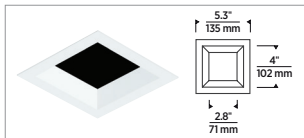
## FIXED DOWNLIGHT

### TRIMS

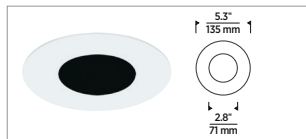
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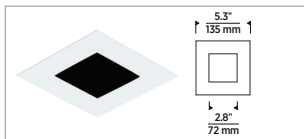
ROUND BEVEL



SQUARE BEVEL

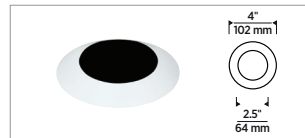


ROUND FLAT

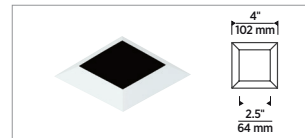


SQUARE FLAT

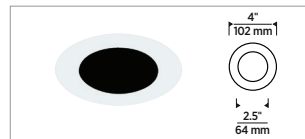
#### FLANGELESS



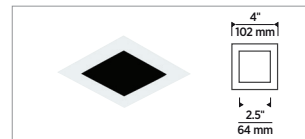
ROUND BEVEL



SQUARE BEVEL



ROUND FLAT



SQUARE FLAT

#### FINISH



#### FLANGELESS IN WOOD CEILING



ROUND BEVEL (ANTIQUE BRONZE)



SQUARE BEVEL (SATIN NICKEL)



ROUND FLAT (ANTIQUE BRONZE)



SQUARE FLAT (SATIN NICKEL)

#### LENS OPTION



SHOWN WITH AND WITHOUT A LENS (SQUARE FLANGED BEVEL)

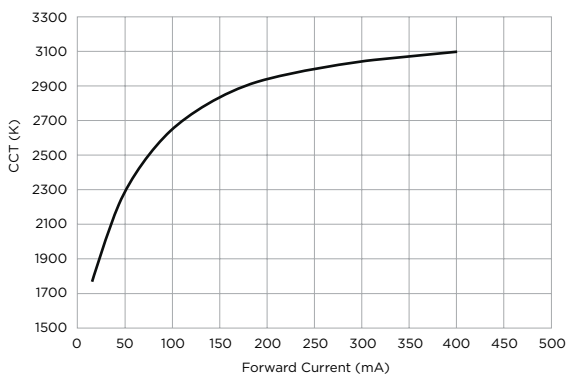


SHOWN WITH AND WITHOUT A LENS (ROUND FLANGELESS BEVEL)

See installation instruction sheet on [www.techlighting.com](http://www.techlighting.com).

### WARM DIM CURVE

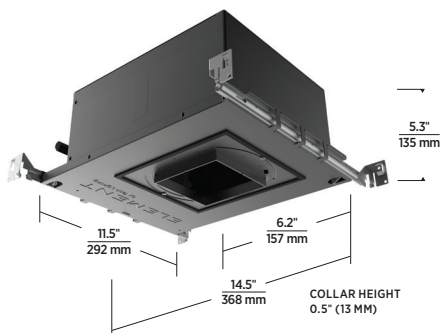
CCT vs. Forward Current,  $T_c=25^\circ\text{C}$



# ELEMENT™ 4" LED

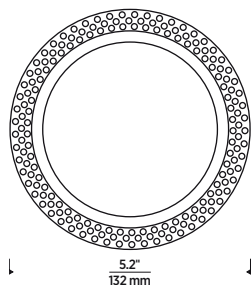
## FIXED DOWNLIGHT

### HOUSING

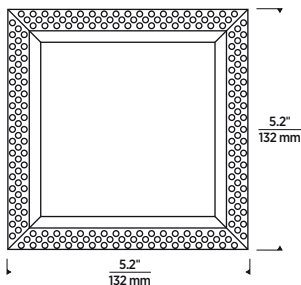


IC AIRTIGHT / NON-IC AIRTIGHT

### PLASTER PLATES

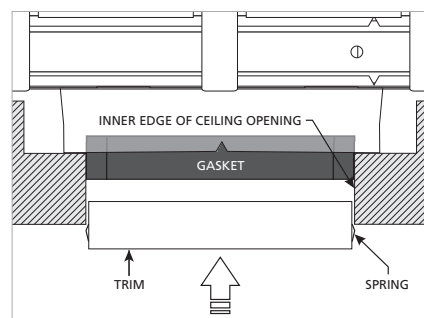


ROUND SHEET METAL  
MUD/PLASTER PLATE IS  
INCLUDED FOR FLANGELESS  
INSTALLATION



SQUARE SHEET METAL  
MUD/PLASTER PLATE IS  
INCLUDED FOR FLANGELESS  
INSTALLATION

### FLANGELESS IN WOOD CEILING INSTALLATION













ELEMENT™ 4" LED

FIXED DOWNLIGHT

ELEMENT Specular Reflectors reduce glare while creating a clean, quiet ceiling appearance. These beautiful trim accessories have been specifically designed to minimize any effect on light performance, color and output. Specular Reflectors are available for both adjustable and fixed downlights, and are compatible with ELEMENT 4" trims and housings.

- Can be easily installed or removed
- Mounts to existing trim
- Compatible with fixed and adjustable housings

SPECIFICATIONS

COMPATIBLE TRIMS	NON-SLOTTED (FOR FIXED)
 4" round, flanged, bevel	 <b>E4TREFNS2B</b>
 4" round, flanged, flat	 <b>E4TREFNS1B</b>
 4" round, flangeless, bevel	 <b>E4TREFNS2B</b>
 4" round, flangeless, flat	 <b>E4TREFNS1B</b>
 4" square, flanged, bevel	 <b>E4TREFNS6B</b>

Only compatible with ELEMENT 4" LED series.  
May require lamp to be placed in high position.  
Not available for ELEMENT 4" square flat trims or square flangeless bevel trims.  
Not compatible with lensed trims.  
<sup>1</sup>Non-slotted reflectors may be used in adjustable housings with the lamp assembly placed in the 0° tilt position.

ORDERING GRID

E4 TRIM MOUNTED REFLECTORS<sup>1</sup>

PRODUCT	STYLE	FINISH
<b>E4TREF</b>	<b>NS1</b> NON-SLOTTED	<b>B</b> ANODIZED BLACK
	<b>NS2</b> NON-SLOTTED	
	<b>NS6</b> NON-SLOTTED	
<b>E4TREF</b>		<b>B</b>

<sup>1</sup>Not compatible with lensed trims.



BELOW CEILING VIEW



SHOWN MOUNTED TO TRIM



REFLECTOR ONLY

# ELEMENT™ 4" LED

## FIXED DOWNLIGHT

### PHOTOMETRICS

Description: 4" LED Module  
18° Beam - 0° Tilt,  
90 CRI, 3000K

Model: E4 LED

Input Power (Watts): 32.9

Input Power Factor: 0.99

Absolute Luminous  
Flux (Lumens): 2494

Lumen Efficacy  
(Lumens per Watt): 76

Output difference between CCTs - 5%, CRIs - 15%.

Description: 4" LED Module  
25° Beam - 0° Tilt,  
90 CRI, 3000K

Model: E4 LED

Input Power (Watts): 32.7

Input Power Factor: 0.98

Absolute Luminous  
Flux (Lumens): 2456

Lumen Efficacy  
(Lumens per Watt): 75

Description: 4" LED Module  
40° Beam - 0° Tilt,  
90 CRI, 3000K

Model: E4 LED

Input Power (Watts): 32.8

Input Power Factor: 0.98

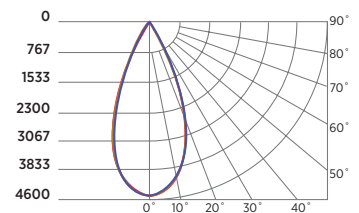
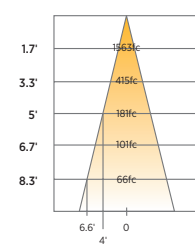
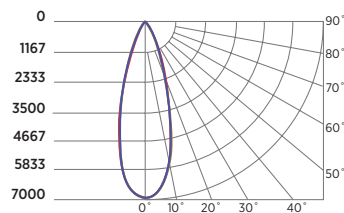
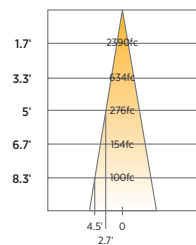
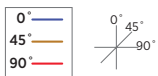
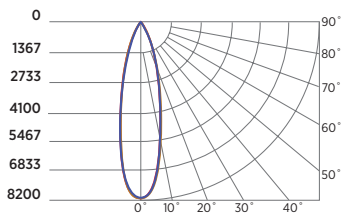
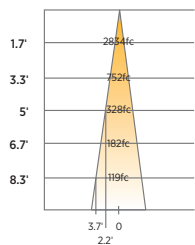
Absolute Luminous  
Flux (Lumens): 2584

Lumen Efficacy  
(Lumens per Watt): 79

ANGLE	0°	45°	90°
0°	8192	8192	8192
5°	7438	7514	7532
10°	5277	5300	5297
15°	3190	3214	3209
20°	1898	1908	1900
25°	1066	1077	1064
30°	610	626	608
35°	319	386	325
40°	161	249	162
45°	94	145	94
50°	62	77	63
55°	37	49	37
60°	25	30	25
65°	12	16	13
70°	1	7	2
75°	0	0	0
80°	0	0	0
85°	0	0	0
90°	0	0	0

ANGLE	0°	45°	90°
0°	6907	6907	6907
5°	6578	6568	6565
10°	5455	5476	5467
15°	3575	3584	3595
20°	1856	1910	1947
25°	997	1040	1057
30°	623	654	660
35°	330	433	358
40°	153	276	165
45°	88	149	96
50°	57	73	61
55°	32	44	35
60°	19	25	21
65°	8	12	9
70°	0	4	1
75°	0	0	0
80°	0	0	0
85°	0	0	0
90°	0	0	0

ANGLE	0°	45°	90°
0°	4517	4517	4517
5°	4385	4393	4402
10°	4053	4071	4076
15°	3498	3518	3534
20°	2595	2648	2698
25°	1635	1620	1598
30°	860	850	804
35°	374	429	396
40°	179	224	190
45°	101	123	107
50°	60	75	64
55°	31	47	32
60°	19	26	20
65°	7	12	8
70°	1	3	1
75°	0	0	0
80°	0	0	0
85°	0	0	0
90°	0	0	0



ELEMENT™ 4" LED

FIXED DOWNLIGHT

PHOTOMETRICS

Description:4" LED Module  
60° Beam - 0° Tilt,  
80 CRI, 3000K

Model:E4 LED

Input Power (Watts):30.7

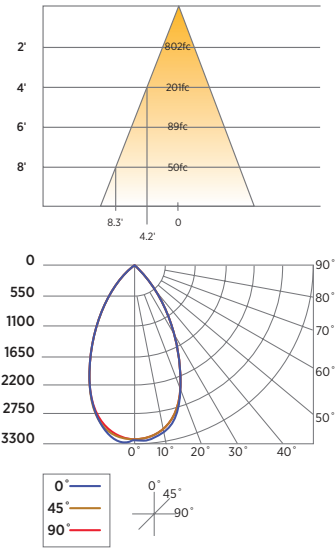
Input Power Factor:0.98

Absolute Luminous  
Flux (Lumens):3178

Lumen Efficacy  
(Lumens per Watt):103.4

Output difference between CCTs - 5%, CRIs - 15%.

ANGLE	0°	45°	90°
0°	3209	3209	3209
5°	3215	3152	3158
10°	3103	3067	3068
15°	2869	2852	2881
20°	2428	2393	2468
25°	1881	1814	1930
30°	1398	1324	1441
35°	982	939	1038
40°	597	603	681
45°	334	359	393
50°	186	202	210
55°	89	118	98
60°	46	74	50
65°	25	38	27
70°	6	15	7
75°	4	4	4
80°	3	3	3
85°	1	1	1
90°	0	0	0



ELEMENT™ 4" LED

FIXED DOWNLIGHT

PROJECT INFORMATION

JOB NAME AND INFORMATION

FIXTURE TYPE AND QUANTITY

NOTES